BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: CONSTRUCTION OF URDU SCHOOL AT CHIKKABETTAHALLI IN ATTUR WARD NO-03

DEMOLITION

	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
1	KSRRB M200-14.2.Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications **Dismantling brick/Tile work B. In cement mortar**. Pg No.139 Item No.18.23								
	Ground floor								
	Building 1								
	Longer Wall	Cum	2	11.20	0.20	3.00	13.44		
	Shorter Wall	Cum	1	4.50	0.20	3.00	2.70		
	Building 2								
	Longer Wall	Cum	2	7.70	0.20	4.00	12.32		
	Shorter Wall	Cum	2	7.00	0.20	4.00	11.20		
	Toilet								
	Longer Wall	Cum	1	2.75	0.20	2.10	1.16		
	Shorter Wall	Cum	1	1.60	0.20	2.10	0.67		
	Basic rate							351.00	
	Area weightage 8%							28.08	
	Total						**41.49**	**379.08**	**15726.89**
2	37.51: Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms) No. KBS Pg No 270 ,Item No 37.51,								
	Ground Floor								
	Flooring								
	Building 1	Sqm	1	11.20	4.5		50.40		
	Building 2	Sqm	1	7.70	7		53.90		
	Basic rate							86.00	
	Area weightage 8%							6.88	
	Total						**104.30**	**92.88**	**9687.38**
3	.Dismantling plastering and removing the debris with a lead upto 200m. (P.No.270, I.No. 37.50)								
	Internal plastering								
	Ground Floor								
	Building 1	Sqm	2	11.20		3.00	67.20		
		Sqm	2	4.50		3.00	27.00		
	Building 2	Sqm	2	7.70		4.00	61.60		
		Sqm	2	7.00		4.00	56.00		
	Toilet	Sqm	2	2.75		2.10	11.55		
		Sqm	2	1.6		2.10	6.72		
	Deduction								
	Doors	Sqm	-3	1.2		2.10	-7.56		
	Windows	Sqm	-6	1.5		1.50	-13.50		
	Toilet								
	Doors	Sqm	-2	0.75		1.80	-2.70		
	Basic rate							37.00	
	Area weightage 8%							2.96	
	Total						**206.31**	**39.96**	**8244.15**

	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
4	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4								
	DEBRIS	Cum	From Item No.1, 2, 3 & 5				165.56		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00	
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	t.km	For surface roads exluding Basic rate loading & unloading					2.00	
	Average Weight of Debris (1.3 Tonne/cum.)	For2Kms =2x1.28x2.5						5.12	
	Basic rate							62.12	
	Area weightage 8%							4.97	
	Total						165.56	67.09	11107.23
5	Dismantling Mangalore tiles roof and stacking the material within a radius of 50 meters. - - with reepers. (P.No. 269, I.No. 37.42.1 of SR 2018-19).								
	Roof	Sqm	1	7.7	7		53.9		
		Sqm	1	11.2	4.5		50.4		
								74.00	
	Basic rate							5.92	
	Area weightage 8%						104.3	79.92	8335.656
	Total								

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: CONSTRUCTION OF URDU SCHOOL AT CHIKKABETTAHALLI IN ATTUR WARD NO-03

BUILDING

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
6	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 6,Item No 2.4								
	Footings								
	C1	Cum	6	3.6	3.6	1.5	116.64		
	C2	Cum	1	3.1	3.1	1.5	14.42		
	C3	Cum	10	2.9	2.3	1.5	100.05		
	SSM Footing								
	Along Long Direction	Cum	2	2.7	0.9	0.75	3.65		
		Cum	1	2.5	0.9	0.75	1.69		
		Cum	2	1.1	0.9	0.75	1.49		
	Along Short Direction	Cum	2	5.5	0.9	0.75	7.43		
		Cum	3	2.95	0.9	0.75	5.97		
		Cum	1	4.1	0.9	0.75	2.77		
		Cum	2	2.4	0.9	0.75	3.24		
	Along Corridor	Cum	1	3.75	0.9	0.75	2.53		
	Basic rate							449.00	
	Area weightage 8%							35.92	
	Total						**259.86**	**484.92**	**126011.31**
7	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. KBS Pg No 7, Item No 2.15								
	Footings								
	C1	Cum	6	3.6	3.6	0.15	11.66		
	C2	Cum	1	3.1	3.1	0.15	1.44		
	C3	Cum	10	2.9	2.3	0.15	10.01		
	Basic rate							2429.00	
	Area weightage 8%							194.32	
	Total						**23.11**	**2623.32**	**60626.24**
8	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 Pg No.13 Item No 4.3								
	Footings								
	C1	Cum	6	3.6	3.6	0.15	11.66		
	C2	Cum	1	3.1	3.1	0.15	1.44		
	C3	Cum	10	2.9	2.3	0.15	10.01		
	SSM Below								
	Along Long Direction	Cum	2	12.8	0.9	0.15	3.46		
		Cum	1	6.4	0.9	0.15	0.86		
		Cum	2	2.8	0.9	0.15	0.76		
	Along Short Direction	Cum	2	10.8	0.9	0.15	2.92		
		Cum	3	5.3	0.9	0.15	2.15		
		Cum	1	5.6	0.9	0.15	0.76		
		Cum	2	6.1	0.9	0.15	1.65		
	Along Corridor	Cum	1	6.4	0.9	0.15	0.86		
		Cum	1	4.4	0.9	0.15	0.59		
		Cum	2	1.5	0.9	0.15	0.41		
	Corridor sides							5102.00	
	Basic rate							408.16	
	Area weightage 8%							5510.16	206713.65
	Total						**37.52**		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
9	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No. 4.5 of PWD SR 2018-19)								
	Above SSM								
	Along Long Direction	Cum	2	12.8	0.6	0.15	2.30		
		Cum	1	6.4	0.6	0.15	0.58		
		Cum	2	2.8	0.6	0.15	0.50		
	Along Short Direction	Cum	2	10.8	0.6	0.15	1.94		
		Cum	3	5.3	0.6	0.15	1.43		
		Cum	1	5.6	0.6	0.15	0.50		
		Cum	2	6.1	0.6	0.15	1.10		
	Along Corridor	Cum	1	6.4	0.6	0.15	0.58		
		Cum	1	4.4	0.6	0.15	0.40		
	Corridor sides	Cum	2	1.5	0.6	0.15	0.27		
	Plinth area								
	Classroom 1	Cum	1	5.80	5.30	0.15	4.61		
	Classroom 2	Cum	1	7.90	5.30	0.15	6.28		
	Classroom 3	Cum	1	5.80	5.30	0.15	4.61		
	Toilet Portion	Cum	1	6.10	3.40	0.15	3.11		
	Corridor	Cum	1	6.10	1.20	0.15	1.10		
		Cum	1	5.70	1.20	0.15	1.03		
		Cum	2	1.50	0.90	0.15	0.41		
	Steps						0.81		
	Step 1	Cum	2	3.00	0.90	0.15	0.54		
	Step 2	Cum	2	3.00	0.60	0.15	0.27		
	Step 3	Cum	2	3.00	0.30	0.15		5328.00	
	Basic rate							426.24	
	Area weightage 8%						32.37	5754.24	186238.85
	Total								
10	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing completeas per specifications.KBS 5.1.13 Pg No 25 item No 5.6								
	SSM Footing								
	Along Long Direction	Cum	2	12.80	0.60	0.60	9.22		
		Cum	1	6.40	0.60	0.60	2.30		
		Cum	2	2.80	0.60	0.60	2.02		
	Along Short Direction	Cum	2	10.80	0.60	0.60	7.78		
		Cum	3	5.30	0.60	0.60	5.72		
		Cum	1	5.60	0.60	0.60	2.02		
		Cum	2	6.10	0.60	0.60	4.39		
	Along Corridor	Cum	1	6.40	0.60	0.90	3.46		
		Cum	1	4.40	0.60	0.90	2.38		
	Corridor sides	Cum	2	1.50	0.60	0.90	1.62		
	Basic rate							4596.00	
	Area weightage 8%							367.68	
	Total						40.90	4963.68	202994.66
11	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9, Pg No.7, Item No.2.10								
	Filling Available of Excavated Earth								
	Earth Work Excavation	Cum	From Item No 6				259.86		
	PCC for Footing	Cum	From Item No 8				-37.52		
	Filling in foundation with granite / trap broken metal	Cum	From Item No 7				-23.11		
	SSM Footing	Cum	From Item No 10				-40.90		
	Footing Concrete Quantity	Cum	From Item No 21				-93.55		
	Basic rate							201.00	
	Area weightage 8%							16.08	
	Total						64.79	217.08	14064.72

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
12	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4								
	Excavated Earth	Cum		From Item No 6			259.86		
	Filling Available of Excavated Earth			From Item No 11			-64.79		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00	
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	t.km		For surface roads exluding loading & unloading Basic rate				2.00	
	Average Weight of earth	For2Kms =2x1.28x2						5.12	
	Basic rate							62.12	
	Area weightage 8%							4.97	
	Total						195.07	67.09	13087.13
13	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.28								
	Footings								
	C1	Sqm	6	14.4		0.7	60.48		
	C2	Sqm	1	12.4		0.6	7.44		
	C3	Sqm	10	10.4		0.5	52.00		
	Basic rate							258.00	
	Area weightage 8%							20.64	
	Total						119.92	278.64	33414.51
14	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.31								
	Plinth Beam								
	Along Long Direction	Sqm	4	14.3		0.45	25.74		
		Sqm	2	7.6		0.45	6.84		
		Sqm	4	3.6		0.45	6.48		
	Along Short Direction	Sqm	10	5.3		0.45	23.85		
		Sqm	6	5.3		0.45	14.31		
		Sqm	4	6.1		0.45	10.98		
	Basic rate							358.00	
	Area weightage 8%							28.64	
	Total						88.20	386.64	34101.65
15	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 16, Item No 4.32								
	Ground Floor								
	Column Below Plinth								
	C1	Sqm	6	1.8		0.5	5.40		
	C2	Sqm	1	1.8		0.6	1.08		
	C3	Sqm	10	1.8		0.7	12.60		
	Column upto beam bottom								
	C1	Sqm	6	1.8		3	32.40		
	C2	Sqm	1	1.8		3	5.40		
	C3	Sqm	10	1.8		3	54.00		
	Basic rate							456.00	
	Area weightage 8%							36.48	
	Total						110.88	492.48	54606.18

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
16	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.Specification No. KBS 4.6.2 page no.16 item no 4.29.2								
Ground Floor									
Slab	Sqm	1	14.3	5.9		84.37		
	Sqm	1	5.7	6.4		36.48		
	Sqm	1	6.8	4		27.20		
Corridor slab	Sqm	1	6.4	1.5		9.60		
	Sqm	1	5.7	1.5		8.55		
Basic rate							400.00		
Area weightage 8%							32.00		
Total							166.20	432.00	71798.40
17	KSRB 4-6.9 : Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications. Specifications No. KBS 4.6.2, Pg No 17,Item No 4.36								
Ground Floor									
Slab sides	Sqm	1	40.4		0.15	6.06		
	Sqm	1	17.8		0.15	2.67		
	Sqm	1	21.6		0.15	3.24		
Corridor slab sides	Sqm	1	7.9		0.15	1.19		
	Sqm	1	7.2		0.15	1.08		
Basic rate							755.00		
Area weightage 8%							60.40		
Total							14.24	815.40	11607.22
18	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.Specification No. KBS 4.6.2, Pg No 17, Item No 4.34								
Ground Floor									
Beams									
Along Long Direction	Sqm	4	14.3		0.45	25.74		
	Sqm	2	9.1		0.45	8.19		
	Sqm	4	4		0.45	7.20		
Along corridor	Sqm	2	6.4		0.45	5.76		
Along Short Direction	Sqm	6	6.5		0.45	17.55		
	Sqm	4	10.8		0.45	19.44		
	Sqm	4	6.1		0.45	10.98		
Along corridor	Sqm	2	4.4		0.45	3.96		
Lintel									
Through lintel	Sqm	4	11.3		0.2	9.04		
Along Long Direction	Sqm	4	10.8		0.2	8.64		
Along Short Direction	Sqm	2	5.6		0.2	2.24		
	Sqm	6	2.6		0.2	3.12		
Lintel over partition wall	Sqm	11	1.50	0.2		3.30		
W1 bottom	Sqm	3	1.2	0.2		0.72		
D1 bottom	Sqm	2	0.9	0.2		0.36		
D2 bottom	Sqm	6	0.75	0.1		0.45		
D3 bottom							292.00		
Basic rate							23.36		
Area weightage 8%							126.69	315.36	39952.96
Total									
19	KSRB 4-6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 17, Item No 4.38								
Steps									
Step 1	Sqm	1	4.80		0.15	0.72		
Step 2	Sqm	1	4.20		0.15	0.63		
Step 3	Sqm	1	3.60		0.15	0.54		
Basic rate							520.00		
Area weightage 8%							41.60		
Total							1.89	561.60	1061.42

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
20	KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc. ,including edges including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 Pg No 17,Item No 4.37								
	Ground Floor								
	Chejja(W1)	Sqm	10	1.5	0.6		9		
	Chejja Sides(W1)	Sqm	10	2.7		0.1	2.7		
	Basic rate							323.00	
	Area weightage 8%							25.84	
	Total						11.70	348.84	4081.43
21	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.10								
	Footings								
	C1	Cum	6	3.6	3.6	0.7	54.43		
	C2	Cum	1	3.1	3.1	0.6	5.77		
	C3	Cum	10	2.9	2.3	0.5	33.35		
	Plinth Beam								
	Along Long Direction	Cum	2	14.3	0.3	0.45	3.86		
		Cum	1	7.6	0.3	0.45	1.03		
		Cum	2	3.6	0.3	0.45	0.97		
	Along Short Direction	Cum	5	5.3	0.3	0.45	3.58		
		Cum	3	5.3	0.3	0.45	2.15		
		Cum	2	6.1	0.3	0.45	1.65		
	Column Below Plinth								
	C1	Cum	6	0.6	0.3	0.5	0.54		
	C2	Cum	1	0.6	0.3	0.6	0.11		
	C3	Cum	10	0.6	0.3	0.7	1.26		
	Basic rate							5812.00	
	Area weightage 8%							464.96	
	Total						108.69	6276.96	682217.67
22	KSRB 4.2.8 : Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thickness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications. No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.12								
	Ground Floor								
	Column upto beam bottom								
	C1	Cum	6	0.6	0.3	3	3.24		
	C2	Cum	1	0.6	0.3	3	0.54		
	C3	Cum	10	0.6	0.3	3	5.40		
	Lintel								
	Through lintel								
	Along Long Direction	Cum	2	11.3	0.2	0.2	0.90		
	Along Short Direction	Cum	2	10.8	0.2	0.2	0.86		
		Cum	1	5.6	0.2	0.2	0.22		
	Lintel over partition wall	Cum	3	2.6	0.1	0.2	0.16		
	Basic rate							6045.00	
	Area weightage 8%							483.60	
	Total						11.33	6528.60	73955.98
23	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25. Pg No.19 Item No.4.49.2								
	Ground Floor								
	Slab	Cum	1	14.3	5.9	0.15	12.66		
		Cum	1	5.7	6.4	0.15	5.47		
		Cum	1	6.8	4	0.15	4.08		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Corridor slab	Cum	1	6.4	1.5	0.15	1.44		
		Cum	1	5.7	1.5	0.15	1.28		
	Beams								
	Along Long Direction	Cum	2	14.3	0.3	0.45	3.86		
		Cum	1	9.1	0.3	0.45	1.23		
		Cum	2	4	0.3	0.45	1.08		
	Along corridor	Cum	1	6.4	0.3	0.45	0.86		
	Along Short Direction	Cum	3	6.5	0.3	0.45	2.63		
		Cum	2	10.8	0.3	0.45	2.92		
		Cum	2	6.1	0.3	0.45	1.65		
	Along corridor	Cum	1	4.4	0.3	0.45	0.59		
	Basic rate							5497.00	
	Area weightage 8%							439.76	
	Total						39.75	5936.76	236004.02
24	KSRB 4.2.11 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 Pg No.15 Item no.4.20								
	Ground Floor								
	Chajja(W1)	Sqm	10	1.5	0.6		9.00		
	Basic rate							496.00	
	Area weightage 8%							39.68	
	Total						9.00	535.68	4821.12
25	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2								
	Ground Floor								
	Footing	Cum	Concrete Quantity				93.55		
		kg	Steel assumed 105 Kg/Cum of Concrete				9916.1		
		tonne					9.92		
	Column	Cum	Concrete Quantity				11.09		
		kg	Steel assumed 125 Kg/Cum of Concrete				1386.00		
		tonne					1.39		
	Plinth beam	Cum	Concrete Quantity				13.23		
		kg	Steel assumed 100 Kg/Cum of Concrete				1323.00		
		tonne					1.32		
	Chajja	Cum	Concrete Quantity				0.90		
		kg	Steel assumed 100 Kg/Cum of Concrete				90.00		
		tonne					0.09		
	Lintel	Cum	Concrete Quantity				2.15		
		kg	Steel assumed 100 Kg/Cum of Concrete				214.80		
		tonnne					0.21		
	Beam	Cum	Concrete Quantity				14.82		
		kg	Steel assumed 140 Kg/Cum of Concrete				2075.2		
		tonne					2.08		
	Roof Slab	Cum	Concrete Quantity				24.93		
		kg	Steel assumed 150 Kg/Cum of Concrete				3739.5		
		tonne					3.74		
								78007.00	
	Basic rate							6240.56	
	Area weightage 8%						18.74	84247.6	1579187.49
	Total								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
26	KSRB 5-14.1: Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications. KBS No.5.4, Pg No. 27 Item No. 5.27.1								
Ground Floor									
Walls									
Along Long Direction	Sqm	2	11.3		3	67.80			
	Sqm	1	5.8		3	17.40			
	Sqm	2	2.8		3	16.80			
Along Short Direction	Sqm	4	5.5		3	66.00			
	Sqm	2	6.1		3	36.60			
Parapet Wall									
Along Long Direction	Sqm	1	14.3		1	14.30			
	Sqm	1	6.4		1	6.40			
	Sqm	1	4		1	4.00			
	Sqm	1	1.2		1	1.20			
	Sqm	1	5.1		1	5.10			
Along Short Direction	Sqm	1	7		1	7.00			
	Sqm	1	11.2		1	11.20			
	Sqm	2	6.6		1	13.20			
	Sqm	1	4.2		1	4.20			
Deduction									
Through lintel									
Along Long Direction	Sqm	-2	11.3		0.2	-4.52			
Along Short Direction	Sqm	-2	10.8		0.2	-4.32			
	Sqm	-1	5.6		0.2	-1.12			
	Sqm	-3	1.2		2.1	-7.56			
D1	Sqm	-2	0.9		2.1	-3.78			
D2	Sqm	-11	1.5		1.5	-24.75			
W1	Sqm	-5	0.75		0.60	-2.25			
V							912.00		
Basic rate							72.96		
Area weightage 8%						222.90	984.96		219547.58
Total									
27	KSRB 5-15 : Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications. KBS No.5.4, Pg No 27, Item No 5.28								
Along Long direction	Sqm	3	2.6		3.45	26.91			
Along Short Direction	Sqm	6	1.2		3.45	24.84			
Deductions									
Lintel over partition wall	Sqm	-3	2.6		0.2	-1.56			
D3	Sqm	-6	0.9		2.1	-11.34			
Basic rate							811.00		
Area weightage 8%							64.88		
Total						38.85	875.88		34027.94
28	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Pg No. 116,Item No.15.16								
External Plastering									
Ground Floor									
Walls									
Along Long Direction	Sqm	1	14.3		3.6	51.48			
	Sqm	1	6.4		3.6	23.04			
	Sqm	1	4		3.6	14.4			
	Sqm	1	1.2		3.6	4.32			
	Sqm	1	3.6		3.6	12.96			
	Sqm	1	5.9		3.6	21.24			
Along Short Direction	Sqm	1	7		3.6	25.2			
	Sqm	1	11.4		3.6	41.04			
	Sqm	1	6.8		3.6	24.48			
	Sqm	1	5.7		3.6	20.52			
	Sqm	1	11.4		3.6	41.04			

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Chajja								
	W1	Sqm	10	1.5	0.6		9		
	W1 Sides	Sqm	20	0.6		0.1	1.2		
	W1 Front	Sqm	10	1.5		0.1	1.5		
	Parapet Wall								
	Along Long Direction	Sqm	2	14.3		1	28.6		
		Sqm	2	6.4		1	12.8		
		Sqm	2	4		1	8		
		Sqm	2	1.2		1	2.4		
		Sqm	2	5.1		1	10.2		
	Along Short Direction	Sqm	2	7		1	14		
		Sqm	2	11.2		1	22.4		
		Sqm	4	6.6		1	26.4		
	Deductions								
	D1	Sqm	-3	1.2		2.1	-7.56		
	D2	Sqm	-2	0.9		2.1	-3.78		
	W1	Sqm	-11	1.5		1.5	-24.75		
	V	Sqm	-5	0.75		0.6	-2.25		
	Basic rate							261.00	
	Area weightage 8%							20.88	
	Total						377.88	**281.88**	**106516.81**
29	KSRB 15.3.2 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications .Pg No. 115 Item No.15.10								
	Internal Plastering								
	Ground Floor								
	ClassRoom 1								
	Along Long Direction	Sqm	2	6		3.45	41.4		
	Along Short Direction	Sqm	2	5.5		3.45	37.95		
	ClassRoom 2								
	Along Long Direction	Sqm	2	7.7		3.45	53.13		
	Along Short Direction	Sqm	2	5.5		3.45	37.95		
	Class Room 3								
	Along Long Direction	Sqm	2	6		3.45	41.4		
	Along Short Direction	Sqm	2	5.5		3.45	37.95		
	Gents Toilet								
	Along Long Direction	Sqm	2	3.6		3.45	24.84		
	Along Short Direction	Sqm	2	2.9		3.45	20.01		
	WC	Sqm	2	4.8		3.45	33.12		
	Ladies Toilet								
	Along Long Direction	Sqm	2	3.6		3.45	24.84		
	Along Short Direction	Sqm	2	3.5		3.45	24.15		
	WC	Sqm	4	4.8		3.45	66.24		
	Deduction								
	D1	Sqm	-3	1.2		2.1	-7.56		
	D2	Sqm	-2	0.9		2.1	-3.78		
	W1	Sqm	-11	1.50		1.50	-24.75		
	V	Sqm	-5	0.75		0.60	-2.25		
	Basic rate							204.00	
	Area weightage 8%							16.32	
	Total						404.64	**220.32**	**89150.28**
30	KSRB 14.9-1: Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications Specification No. KBS 14.4, Pg No 104,Item No 14.13								
	Ground Floor	Sqm	1	6	5.5		33		
	ClassRoom 1	Sqm	1	7.7	5.5		42.35		
	ClassRoom 2	Sqm	1	6	5.5		33		
	ClassRoom 3	Sqm	1	6.4	1.5		9.6		
	Corrridor	Sqm	1	5.7	1.5		8.55		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Toilet								
	Gents Toilet	Sqm	1	3.6	1.6		5.76		
		Sqm	1	1.3	1		1.3		
	WC	Sqm	2	1.2	1.2		2.88		
	Ladies Toilet	Sqm	1	3.6	0.9		3.24		
		Sqm	2	1.3	1		2.6		
	WC	Sqm	4	1.2	1.2		5.76		
	Basic rate							631.00	
	Area weightage 8%							50.48	
	Total						148.04	681.48	100886.30
31	KSRB 9-27.1 : Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications. Pg No 60,Item No 9.80								
	Ground Floor						3.00		
	D1	Nos	3				2.00		
	D2	Nos	2					1366.00	
	Basic rate							109.28	
	Area weightage 8%						5.00	1475.28	7376.40
	Total								
32	KSRB 9.4-2: Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 Pg No 53,Item No 9.11								
	Ground Floor						0.37		
	D1	Cum	3	6.6	0.15	0.125	0.09		
	D2	Cum	2	6	0.1	0.075		87604.00	
	Basic rate							7008.32	
	Area weightage 8%						0.46	94612.3	43639.93
	Total								
33	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.Specification No. KBS 7.12 Pg No.34 Item No.7.9								
	Ground Floor						47.25	519.75	
	W1	Kg	11	21kg per sqm 1.5*1.5*21=47.25					
								95.00	
								7.6	
	Basic Rate						519.75	102.60	53326.35
	Area weightage 8%								
	Total								
34	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305								
	Filling	Cum	1	5.80	5.30	0.45	13.83		
	Classroom 1	Cum	1	7.90	5.30	0.45	18.84		
	Classroom 2	Cum	1	5.80	5.30	0.45	13.83		
	Classroom 3	Cum	1	6.10	3.40	0.45	9.33		
	Toilet Portion	Cum	1	6.10	1.20	0.45	3.29		
	Corridor	Cum	1	5.70	1.20	0.45	3.08		
								325.00	
	Basic Rate						62.21	26.00	
	Area weightage 8%							351.00	21836.59
	Total								

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: CONSTRUCTION OF URDU SCHOOL AT CHIKKABETTAHALLI IN ATTUR WARD NO-03

Electrical Works

Sl. No	SR book page no.	SR book item no.	Description of Works	Unit	Qty	SR Rate Rs.Ps	Amount, Rs.Ps
			INTERNAL WIRING SYSTEM				
35	Pg 2	Item 1.2	Concealed Conduit System - Supplying heavy gauge PVC conduit pipe ……mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of unction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary				
a	Pg 2	Item 1.2.2	25mm dia, 2mm thick	Rm	50	53.00	2650
36	pg 2	item 1.3	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary.				
a	Pg 2	Item 1.3.1	19/20mm dia, 2mm thick	Rm	40	51.00	2040
b	Pg 2	Item 1.3.2	25mm dia, 2mm thick	Rm	35	54.00	1890
						Total Electrical Amount	**6580.00**
						Total Demolition Amount	**53101.31**
						Total Building Amount	**4312854.80**
						Sub Total	**4372536.12**
						GST Charges (12% of estimated cost)	**524704.33**
						Preparation of DPR and Architectural ,Structural Consultation fee(1% of estimated cost)	**50000**
						Project management Consultancy Charges(1% of estimated cost)	**50000**
						Miscellaneous and Rounding off	**2759.55**
						Grand Total	**5000000.00**

RUPEES FIFTY LAKHS ONLY

CERTIFICATE:

1) The work spot has been inspected and found to be necessary

2) The work spot comes under B.B.M.P

3) The provisions made in the estimate are necessary and minimum.

4) The estimate is based on C.S.R of 2018-2019, Data rates, PWD Electrical 2019-20,PRED 2019-20, SE-RDED approved Rate and Issused Rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
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Executive Engineer
BBMP

Administrative Sanction for Rs. 50.00 lakhs
Rupees Fifty lakhs Only
is accorded under head P-3853
Special Development Works
Registered as CE No. 91
to conditions contained in enclosed
No. BBMP/EE.YNK.D/AS/91/20-21 20/02/2021

Technical Sanction
Accorded For 50.00 lakhs
Head of A/C P-3853
CER NO :165 Dt: 22/02/2021

TA

CE (YNK)